

RRLC_Comment from Council dated 12/04/2024			
Item	Council Comment	WSCE Comment 24/05/2024	Wsce Action 24/05/2024
4.1 Earthworks	Provide earthworks site plan and sections and include locations and details of any proposed retaining walls.	An Earthworks site plan can be provided to satisfy this consideration.	WSce has supplied an earthworks site plan and sections as part of the DA resubmission. Refer to Drawing C3.01 and C4.10
4.2 Stormwater Drainage	Stormwater from the roof areas is proposed to be stored within the OSD storage of the bioretention basin, above the extended detention depth. Stormwater from the carpark and other at-grade impervious areas are proposed to bypass the basin. This is an acceptable solution in theory. However, Council requires access to the DRAINS and MUSIC model to review this solution in more detail.	A DRAINS and MUSIC model for the proposed development can be provided to satisfy this consideration.	DRAINS and MUSIC model supplied for this resubmission.
5.1 OSD	OSD cannot be provided above the bioretention basin's EDD. The EDD cannot be accounted for as OSD volume. A maximum of 0.5m OSD above the EDD is generally acceptable.	This can be achieved to satisfy this consideration.	Refer to OSD Section drawing C6.41 for storage volume excluding the EDD.
	The 50% AEP pre-development peak discharge must be maintained.	50% pre-development peak discharge can be maintained to satisfy this consideration.	Refer to stormwater discharge summary on drawing C6.01 including the 50% pre-development peak discharge.
5.2 WSUD	MUSIC modelling to be undertaken in accordance with Supporting Document 1 of DCP Chapter G9 and the NSW MUSIC Modelling Guidelines (NSW LLS, 2015) Council comments 15/04/24 - https://www.cityofparramatta.nsw.gov.au/sites/council/files/2021-04/nsw-music-modelling-guidelines-august-2015.pdf	MUSIC modelling to be reviewed against https://www.cityofparramatta.nsw.gov.au/sites/council/files/2021-04/nsw-music-modelling-guidelines-august-2015.pdf	Refer to the attached MUSIC model.
	Council don't accept in-pit litter baskets in Council's stormwater network.	In-put litter baskets can be removed to satisfy this consideration.	
	Council's preference for primary treatment is for graduated trash racks and sediment basins/forebays upstream of an end-of-line device (bioretention basin). The use of GPTs needs approval from Council's City Services Directorate, who are Council's asset custodians for stormwater devices. Council comments 15/04/24 - The Bioretention Technical Design guidelines by Water by Design (2014) provides guidance on how to design sediment forebays (link: Bioretention Technical Design Guidelines - Water by Design). Council do not have ready to go nodes for sediment forebays as their capacity is catchment specific. As such, the designer will have to create their own treatment node as required. Trash racks capture gross pollutants >40mm. Capacity to treat gross pollutants does not need to be demonstrated in MUSIC.	Stormwater quality treatment can be updated to satisfy this consideration.	Sediment forebays designed in accordance with Water by Design (2014). Trash racks have been noted to be provided and detailed during future design phase to capture gross pollutants >40mm. This has resulted in an overall reduction in annual pollutant load reduction %. Noting, additional trash cages have been detailed at the outlet location to minimise gross pollutants directed to the existing downstream stormwater system. Refer drawing C6.41 for details and calculations.
	Access is required to all inlets and outlets. Further, land must be retained around the stormwater system to allow Council to access stormwater infrastructure and conduct maintenance activities. A minimum 3m average width buffer around the stormwater devices (measured from the top of batter) are required for access, landscaping and safety requirements unless an alternative setback is approved by Council. All surfaces with a grade steeper than 1V:4H must be planted.	3m wide buffer to be provided to be provided for maintenance purposes to satisfy this considerations.	
	Provide DRAINS and MUSIC model for Council review.	DRAINS and MUSIC model to be provided for council review to satisfy this consideration.	DRAINS and MUSIC model supplied for this resubmission.
	Update stormwater treatment train that complies with DCP Chapter G2 requirements as per comments above.		DRAINS and MUSIC model supplied for this resubmission.
Council Meeting outcome 02/05/2024			
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	A vehicle access ramp must be provided to all trash racks, sediment forebays and bioretention basin treatment devices for maintenance and operation requirements, such as debris, litter and sediment removal and vegetation reinstatement. Access slopes for maintenance vehicles should not exceed 1V:8H for trucks and 1V:5H for excavators and other maintenance vehicles. Access turnings paths must be demonstrated to comply with AS2890.2 for a medium rigid vehicle (MRV).	A vehicle access ramp to the trash rack seems to be applicable for larger basins and excessive for this scenario. Due to the area of the sediment forebay of 11m2, a vehicle access ramp would not be suitable for this application. It is recommended the vehicle to maintain this area via. the 3m wide buffer using a vaccuum hose or similar method.	
	Land must be retained around the stormwater system to allow Council to access stormwater infrastructure and conduct maintenance activities. A minimum 3m average width buffer around the stormwater devices (measured from the top of batter) are required for access, landscaping and safety requirements unless an alternative setback is approved by Council. All surfaces with a grade steeper than 1V:4H must be planted. The buffer can be vegetated as long as the vegetation does not prevent maintenance access (i.e., large trees).	3m average buffer can be provided to satisfy this consideration.	
	Every part of the basin shall be reachable by an excavator with a 9m reach, without having to traverse the basin.	9m reach to be illustrated without traversing the basin to satisfy this consideration.	